

METHOD FOR MANUFACTURING CATALYST BY USING SUPERCRITICAL FLUID AND CATALYST OBTAINED THEREBY

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Inventor(s): HIRATA HIROTO; TSUJI SHINJI

Applicant(s): TOYOTA MOTOR CORP

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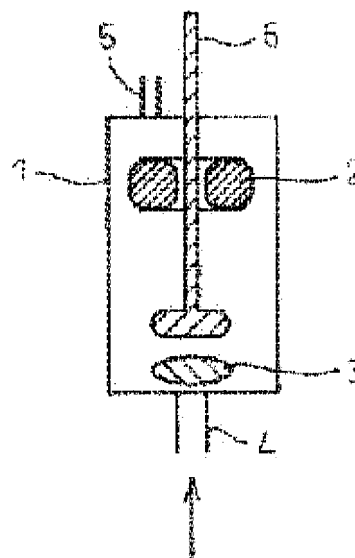
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Abstract of JP 2001224962 (A)

PROBLEM TO BE SOLVED: To provide a method for manufacturing a catalyst having high-degree uniformity of a catalytic component by depositing the catalytic component on a carrier having minute pores and to provide the catalyst having high-degree uniformity of the catalytic component deposited on the carrier. **SOLUTION:** This method for manufacturing the catalyst comprises contacting a supercritical fluid, in which a catalytic component raw material is dissolved, with the carrier to immobilize the catalytic component raw material on the carrier, preferably, by making good use of hydrolysis of the catalytic component raw material by the water adsorbed on the carrier.; In the concrete, the method comprises contacting the supercritical fluid such as CO₂ with the carrier such as meso-porous silica and γ -alumina in a pressure-resistance vessel, hydrolyzing the catalytic component raw material by the water adsorbed in the pores of the carrier to immobilize the catalytic component raw material on the carrier, releasing the supercritical state and firing the catalytic component raw material-immobilized carrier.

図 2

超臨界流体を用いた固定装置



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